Abstract

Title: MABC-2 test battery analysis of primary school children with hearing impairment

Objectives: The objective of this work consisted in assessing motor skills in children from the primary school degree at elementary school Holečkova for children with hearing impairment using the assessment battery MABC-2 (Movement Assessment Battery for Children – Second Edition). Achieved results were compared to standard population of British children. The secondary objective consisted in assessing the relation between the results from using the assessment battery and reported participation in regular movement activities.

Methods: The assessment of the motor activity in children with hearing impairment was performed by using the assessment battery MABC-2 (Henderson et al., 2007). The method of comparison between the results from assessed and standard children were used in this work. It was revealed by a non-standard questionnaire whether the children do sports, in which way and where. Descriptive statistical methods in the form of graphical analyses were used to process the results.

Results: Children with hearing impairment from 6 to 14 years of age were showing significant difficulties in abilities of catching and aiming on target in comparison to the standard population. Despite our expectation the strongest one of the motor skills was the balance. Better results were obtained in this sphere in children with hearing impairment than in standard population. Nevertheless general motor skills (aiming and catching, manual dexterity and balance) were three times poorer in these children than in regular population of children without impairment.

Keywords: test battery, hearing impaired, child, manual dexterity, general motor skills, balance